

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P23695	Serial No. 10/646,835
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		Applicant Hiroshi NOMURA	
		Filing Date August 25, 2003	Group 2873

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 0 5 2 5 3 5	04/18/00	UNO			
		5 2 2 3 8 7 3	06/29/93	TSUBOI			
		5 0 8 6 3 1 2	02/04/92	TANAKA et al.			
		5 4 9 9 1 4 3	03/12/96	SAKAMOTO et al.			
		6 0 6 9 7 4 5	05/30/00	FUJII et al.			
		6 3 2 4 0 1 9	11/27/01	TAKANASHI et al.			
	5 4 8 5 3 1 5	06/16/96	NOMURA et al.				

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	1	0 - 3 2 7 4 0	02/03/98	JAPAN			X
	7	- 2 8 8 7 2 4	10/31/95	JAPAN			X

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER	DATE CONSIDERED 9/23/04
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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	5	8	1	4	5	9	3	0	08/31/83	JAPAN				
	6	1	-	6	9	0	0	2	04/09/86	JAPAN				
	6	1	2	7	0	7	3	7	12/01/86	JAPAN				
	6	3	1	4	9	6	2	9	06/22/88	JAPAN				
	6	4	-	3	4	6	2	3	03/02/89	JAPAN			X	
	6		-	1	8	7	7	7	01/28/94	JAPAN			X	
	7	-	1	9	1	2	4	9	07/28/95	JAPAN				
	11	-	1	0	9	2	0	3	04/23/99	JAPAN				
	5	8	-	1	0	7	0	8	01/21/83	JAPAN				
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		2	2	6	2	3	5	6	06/16/93	UNITED KINGDOM				
	2003	-	2	0	7	7	0	9	07/25/03	JAPAN				
		2	3	0	9	5	5	1	07/30/97	UNITED KINGDOM				
		2	3	4	4	6	6	2	06/14/00	UNITED KINGDOM				
		2	2	6	1	2	9	8	05/12/93	UNITED KINGDOM				
	2002	-	2	7	7	7	1	9	09/25/02	JAPAN				
	10	-	2	8	2	3	9	4	10/23/98	JAPAN				
	58	-	1	6	2	9	1	4	09/27/83	JAPAN				
		0	6	3	4	6	8	0	01/18/95	E.P.O.				

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	1 English Language Abstract of JP 58-10708.
	2 English Language Abstract of JP 2003-207709.
	3 English Language Abstract of JP 2002-277719.
	4 English Language Abstract of JP 10-282394.
	5 English Language Abstract of JP 58-162914.

  

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<b>U.S. PATENT DOCUMENTS</b>														
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.				
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.				
		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.				
		5	7	6	5	0	4	9	06/09/98	HASE et al.				
		5	8	3	2	3	2	6	11/03/98	TANAKA				
		6	3	6	6	3	2	3	04/02/02	SHONO				
		6	1	1	5	1	9	0	09/05/00	HIRAI				
		6	0	6	4	5	3	3	05/16/00	KENIN et al.				
		2003	0	0	8	1	3	2	5	05/01/03	NOMURA et al.			
		2001	0	0	2	4	5	7	3	09/27/01	NOMURA et al.			
		2002	0	1	3	5	9	0	0	09/26/02	NOMURA et al.			
		6	0	7	5	6	5	5		06/13/00	FUNAHASHI et al.			
		2002	0	1	3	5	9	0	1	09/26/02	NOMURA et al.			
		2003	0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
		2002	0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6		04/25/00	NOMURA et al.			
		6	2	0	4	9	7	7		03/20/01	IWASA			
		5	4	3	0	5	1	6		07/04/95	UZIIE et al.			
		2003	0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
		2001	0	0	1	9	4	5	8	09/06/01	NOMURA et al.			
	4	9	9	3	8	1	5		02/19/91	YAMAZAKI et al.				
	5	7	3	1	9	1	3		03/24/98	IMANARI				
	5	7	3	9	9	6	2		04/14/98	ASAKURA et al.				
	2003	0	1	5	6	8	3	2	08/21/03	NOMURA et al.				
	5	5	8	7	7	5	4		12/24/96	KATAYAMA et al.				
EXAMINER <u>D. Gray</u>									DATE CONSIDERED <u>9/23/04</u>					
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2873

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA			
	2004	/0	0	4	2	0	9	3	03/04/04	NOMURA			
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	2004	/0	0	5	1	9	8	1	03/18/04	NOMURA			
	2004	/0	0	4	2	0	9	2	03/04/04	NOMURA			
		4	5	2	5	0	5	0	06/25/85	OHASHI			
		4	6	4	3	5	5	5	02/17/87	WAKABAYASHI			
		4	7	2	1	9	7	2	01/26/88	WAKABAYASHI			
		4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.			
		5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
		6	0	3	1	9	9	8	02/29/00	SHONO			
		4	4	5	1	1	2	9	05/29/84	IKARI et al.			
		4	6	4	3	5	5	4	02/17/87	OGAWA			

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